

**X(4260)**

$$I^G(J^{PC}) = ?(1^{--})$$

Seen in radiative return from  $e^+e^-$  collisions at  $\sqrt{s} = 9.54\text{--}10.58$  GeV by AUBERT,B 05I, HE 06B, and YUAN 07, and in  $e^+e^-$  collisions at  $\sqrt{s} \approx 4.26$  GeV by COAN 06. Possibly seen by AUBERT 06 in  $B^- \rightarrow K^- \pi^+ \pi^- J/\psi$ . See also the mini-review under the X(3872). (See the index for the page number.)

NODE=M074

NODE=M074

**X(4260) MASS**

NODE=M074M

VALUE (MeV) EVTS DOCUMENT ID TECN COMMENT  
**4250 ± 9 OUR AVERAGE** Error includes scale factor of 1.6. See the ideogram below.  
 [4263<sup>+8</sup><sub>-9</sub> MeV OUR 2012 AVERAGE Scale factor = 1.1]

NODE=M074M

NEW

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
4245 ± 5 ± 4		<sup>1</sup> LEES	12AC BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
4247 ± 12 <sup>+17</sup> <sub>-32</sub>		<sup>2</sup> YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
4284 <sup>+17</sup> <sub>-16</sub> ± 4	13.6	HE	06B CLEO	9.4–10.6 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$

• • • We do not use the following data for averages, fits, limits, etc. • • •

4259 ± 8 <sup>+2</sup> <sub>-6</sub>	125	<sup>3</sup> AUBERT,B	05I BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
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<sup>1</sup> From a single-resonance fit. Supersedes AUBERT,B 05I.

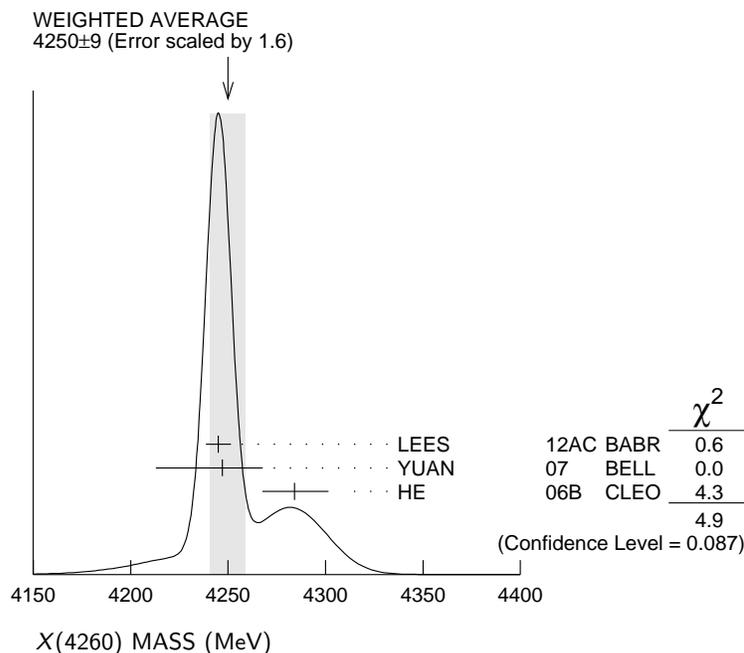
<sup>2</sup> From a two-resonance fit.

<sup>3</sup> From a single-resonance fit. Two interfering resonances are not excluded. Superseded by LEES 12AC.

NODE=M074M;LINKAGE=LE

NODE=M074M;LINKAGE=YU

NODE=M074M;LINKAGE=AU

**X(4260) WIDTH**

NODE=M074W

VALUE (MeV) EVTS DOCUMENT ID TECN COMMENT  
**108 ± 12 OUR AVERAGE**  
 [95 ± 14 MeV OUR 2012 AVERAGE]

NODE=M074W

NEW

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
114 <sup>+16</sup> <sub>-15</sub> ± 7		<sup>4</sup> LEES	12AC BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
108 ± 19 ± 10		<sup>5</sup> YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
73 <sup>+39</sup> <sub>-25</sub> ± 5	13.6	HE	06B CLEO	9.4–10.6 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$

• • • We do not use the following data for averages, fits, limits, etc. • • •

88 ± 23 <sup>+6</sup> <sub>-4</sub>	125	<sup>6</sup> AUBERT,B	05I BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
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<sup>4</sup> From a single-resonance fit. Supersedes AUBERT,B 05I.

<sup>5</sup> From a two-resonance fit.

<sup>6</sup> From a single-resonance fit. Two interfering resonances are not excluded. Superseded by LEES 12AC.

NODE=M074W;LINKAGE=LE

NODE=M074W;LINKAGE=YU

NODE=M074W;LINKAGE=AU

## X(4260) DECAY MODES

NODE=M074215;NODE=M074

Mode	Fraction ( $\Gamma_i/\Gamma$ )	
$\Gamma_1$ $e^+ e^-$		DESIG=1
$\Gamma_2$ $J/\psi \pi^+ \pi^-$	seen	DESIG=2;OUR EVAL;→ UNCHECKED ←
$\Gamma_3$ $J/\psi f_0(980), f_0(980) \rightarrow \pi^+ \pi^-$	seen	DESIG=41;OUR EVAL;→ UNCHECKED ←
$\Gamma_4$ $J/\psi \pi^0 \pi^0$	seen	DESIG=4;OUR EVAL;→ UNCHECKED ←
$\Gamma_5$ $J/\psi K^+ K^-$	seen	DESIG=5;OUR EVAL;→ UNCHECKED ←
$\Gamma_6$ $J/\psi \eta$	not seen	DESIG=6;OUR EVAL;→ UNCHECKED ←
$\Gamma_7$ $J/\psi \pi^0$	not seen	DESIG=7;OUR EVAL;→ UNCHECKED ←
$\Gamma_8$ $J/\psi \eta'$	not seen	DESIG=8;OUR EVAL;→ UNCHECKED ←
$\Gamma_9$ $J/\psi \pi^+ \pi^- \pi^0$	not seen	DESIG=9;OUR EVAL;→ UNCHECKED ←
$\Gamma_{10}$ $J/\psi \eta \eta$	not seen	DESIG=10;OUR EVAL;→ UNCHECKED ←
$\Gamma_{11}$ $\psi(2S) \pi^+ \pi^-$	not seen	DESIG=11;OUR EVAL;→ UNCHECKED ←
$\Gamma_{12}$ $\psi(2S) \eta$	not seen	DESIG=12;OUR EVAL;→ UNCHECKED ←
$\Gamma_{13}$ $\chi_{c0} \omega$	not seen	DESIG=13;OUR EVAL;→ UNCHECKED ←
$\Gamma_{14}$ $\chi_{c1} \gamma$	not seen	DESIG=14;OUR EVAL;→ UNCHECKED ←
$\Gamma_{15}$ $\chi_{c2} \gamma$	not seen	DESIG=15;OUR EVAL;→ UNCHECKED ←
$\Gamma_{16}$ $\chi_{c1} \pi^+ \pi^- \pi^0$	not seen	DESIG=16;OUR EVAL;→ UNCHECKED ←
$\Gamma_{17}$ $\chi_{c2} \pi^+ \pi^- \pi^0$	not seen	DESIG=17;OUR EVAL;→ UNCHECKED ←
$\Gamma_{18}$ $h_c(1P) \pi^+ \pi^-$	not seen	DESIG=40;OUR EVAL;→ UNCHECKED ←
$\Gamma_{19}$ $\phi \pi^+ \pi^-$	not seen	DESIG=18;OUR EVAL;→ UNCHECKED ←
$\Gamma_{20}$ $\phi f_0(980) \rightarrow \phi \pi^+ \pi^-$	not seen	DESIG=22;OUR EVAL;→ UNCHECKED ←
$\Gamma_{21}$ $D \bar{D}$	not seen	DESIG=19;OUR EVAL;→ UNCHECKED ←
$\Gamma_{22}$ $D^0 \bar{D}^0$	not seen	DESIG=31
$\Gamma_{23}$ $D^+ D^-$	not seen	DESIG=32
$\Gamma_{24}$ $D^* \bar{D}^+ + c.c.$	not seen	DESIG=23;OUR EVAL;→ UNCHECKED ←
$\Gamma_{25}$ $D^*(2007)^0 \bar{D}^0 + c.c.$	not seen	DESIG=33
$\Gamma_{26}$ $D^*(2010)^+ D^- + c.c.$	not seen	DESIG=34
$\Gamma_{27}$ $D^* \bar{D}^*$	not seen	DESIG=24;OUR EVAL;→ UNCHECKED ←
$\Gamma_{28}$ $D^*(2007)^0 \bar{D}^*(2007)^0$	not seen	DESIG=35
$\Gamma_{29}$ $D^*(2010)^+ D^*(2010)^-$	not seen	DESIG=36
$\Gamma_{30}$ $D \bar{D} \pi + c.c.$		DESIG=37
$\Gamma_{31}$ $D^0 D^- \pi^+ + c.c. (excl. D^*(2007)^0 \bar{D}^{*0} + c.c., D^*(2010)^+ D^- + c.c.)$	not seen	DESIG=38
$\Gamma_{32}$ $D \bar{D}^* \pi + c.c. (excl. D^* \bar{D}^*)$	not seen	DESIG=25
$\Gamma_{33}$ $D^0 D^{*-} \pi^+ + c.c. (excl. D^*(2010)^+ D^*(2010)^-)$	not seen	DESIG=39
$\Gamma_{34}$ $D^0 D^*(2010)^- \pi^+ + c.c.$	not seen	DESIG=30;OUR EVAL;→ UNCHECKED ←
$\Gamma_{35}$ $D^* \bar{D}^* \pi$	not seen	DESIG=26
$\Gamma_{36}$ $D_s^+ D_s^-$	not seen	DESIG=27
$\Gamma_{37}$ $D_s^{*+} D_s^- + c.c.$	not seen	DESIG=28
$\Gamma_{38}$ $D_s^{*+} D_s^{*-}$	not seen	DESIG=29
$\Gamma_{39}$ $\rho \bar{\rho}$	not seen	DESIG=3;OUR EVAL;→ UNCHECKED ←
$\Gamma_{40}$ $K_S^0 K^\pm \pi^\mp$	not seen	DESIG=20;OUR EVAL;→ UNCHECKED ←
$\Gamma_{41}$ $K^+ K^- \pi^0$	not seen	DESIG=21;OUR EVAL;→ UNCHECKED ←

X(4260)  $\Gamma(i)\Gamma(e^+ e^-)/\Gamma(\text{total})$ 

NODE=M074230

 $\Gamma(J/\psi \pi^+ \pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_2 \Gamma_1 / \Gamma$ NODE=M074G1  
NODE=M074G1

VALUE (eV) EVTS DOCUMENT ID TECN COMMENT

**9.0<sup>+1.0</sup><sub>-0.8</sub> OUR AVERAGE**

NEW

[5.9<sup>+1.2</sup><sub>-0.9</sub> eV OUR 2012 AVERAGE]

9.2±0.8±0.7	7	LEES	12AC	BABR	10.58	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
6.0±1.2 <sup>+4.7</sup> <sub>-0.5</sub>	8	YUAN	07	BELL	10.58	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
8.9 <sup>+3.9</sup> <sub>-3.1</sub> ±1.8	8.1	HE	06B	CLEO	9.4-10.6	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$

● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

20.6±2.3 <sup>+9.1</sup> <sub>-1.7</sub>	9	YUAN	07	BELL	10.58	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
5.5±1.0 <sup>+0.8</sup> <sub>-0.7</sub>	125	10 AUBERT,B	05I	BABR	10.58	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$

OCCUR=2

<sup>7</sup> From a single-resonance fit. Supersedes AUBERT,B 05I.

<sup>8</sup> Solution I of two equivalent solutions in a fit using two interfering resonances.

<sup>9</sup> Solution II of two equivalent solutions in a fit using two interfering resonances.

<sup>10</sup> From a single-resonance fit. Two interfering resonances are not excluded. Superseded by LEES 12AC.

$\Gamma(J/\psi K^+ K^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_5 \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074G1;LINKAGE=LE  
NODE=M074G1;LINKAGE=YOU  
NODE=M074G1;LINKAGE=YA  
NODE=M074G1;LINKAGE=AU

••• We do not use the following data for averages, fits, limits, etc. •••

<1.2      90      <sup>11</sup> YUAN      08 BELL       $e^+ e^- \rightarrow \gamma K^+ K^- J/\psi$

<sup>11</sup> From a fit of the broad  $K^+ K^- J/\psi$  enhancement including a coherent  $X(4260)$  amplitude with mass and width from YUAN 07.

NODE=M074G3  
NODE=M074G3

NODE=M074G3;LINKAGE=YOU

$\Gamma(\psi(2S)\pi^+\pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_{11} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074G7  
NODE=M074G7

••• We do not use the following data for averages, fits, limits, etc. •••

<4.3      90      12 LIU      08H RVUE       $10.58 e^+ e^- \rightarrow \psi(2S)\pi^+\pi^-\gamma$

$7.4^{+2.1}_{-1.7}$       13 LIU      08H RVUE       $10.58 e^+ e^- \rightarrow \psi(2S)\pi^+\pi^-\gamma$

<sup>12</sup> For constructive interference with the  $X(4360)$  in a combined fit of AUBERT 07S and WANG 07D data with three resonances.

OCCUR=2

NODE=M074G7;LINKAGE=LI

<sup>13</sup> For destructive interference with the  $X(4360)$  in a combined fit of AUBERT 07S and WANG 07D data with three resonances.

NODE=M074G7;LINKAGE=LU

$\Gamma(\phi\pi^+\pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_{19} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074G2  
NODE=M074G2

<0.4      90      AUBERT,BE      06D BABR       $10.6 e^+ e^- \rightarrow K^+ K^- \pi^+ \pi^- \gamma$

$\Gamma(\phi f_0(980) \rightarrow \phi\pi^+\pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_{20} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074G6  
NODE=M074G6

<0.29      90      <sup>14</sup> AUBERT      07AK BABR       $10.6 e^+ e^- \rightarrow \pi^+ \pi^- K^+ K^- \gamma$

<sup>14</sup> AUBERT 07AK reports  $[\Gamma(X(4260) \rightarrow \phi f_0(980) \rightarrow \phi\pi^+\pi^-) \times \Gamma(X(4260) \rightarrow e^+ e^-)/\Gamma_{\text{total}}] \times [B(\phi(1020) \rightarrow K^+ K^-)] < 0.14$  eV which we divide by our best value  $B(\phi(1020) \rightarrow K^+ K^-) = 48.9 \times 10^{-2}$ .

NODE=M074G6;LINKAGE=AU

$\Gamma(K_S^0 K^\pm \pi^\mp) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_{40} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074G4  
NODE=M074G4

••• We do not use the following data for averages, fits, limits, etc. •••

<0.5      90      AUBERT      08S BABR       $10.6 e^+ e^- \rightarrow K_S^0 K^\pm \pi^\mp \gamma$

$\Gamma(K^+ K^- \pi^0) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$   $\Gamma_{41} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074G5  
NODE=M074G5

••• We do not use the following data for averages, fits, limits, etc. •••

<0.6      90      AUBERT      08S BABR       $10.6 e^+ e^- \rightarrow K^+ K^- \pi^0 \gamma$

### X(4260) BRANCHING RATIOS

NODE=M074240

$\Gamma(J/\psi f_0(980), f_0(980) \rightarrow \pi^+\pi^-)/\Gamma(J/\psi\pi^+\pi^-)$   $\Gamma_3/\Gamma_2$

VALUE	DOCUMENT ID	TECN	COMMENT
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NODE=M074R02  
NODE=M074R02

••• We do not use the following data for averages, fits, limits, etc. •••

$0.17 \pm 0.13$       <sup>15</sup> LEES      12AC BABR       $10.58 e^+ e^- \rightarrow \gamma\pi^+\pi^- J/\psi$

<sup>15</sup> Systematic uncertainties not estimated.

NODE=M074R02;LINKAGE=LE

$\Gamma(h_c(1P)\pi^+\pi^-)/\Gamma(J/\psi\pi^+\pi^-)$   $\Gamma_{18}/\Gamma_2$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074R25  
NODE=M074R25

<1.0      90      <sup>16</sup> PEDLAR      11 CLEO       $e^+ e^- \rightarrow h_c(1P)\pi^+\pi^-$

<sup>16</sup> At  $\sqrt{s} = 4260$  MeV, PEDLAR 11 measures  $\sigma(e^+ e^- \rightarrow h_c(1P)\pi^+\pi^-) = 32 \pm 17 \pm 6 \pm 6$  pb, where the errors are statistical, systematic, and due to uncertainty in  $B(\psi(2S) \rightarrow \pi^0 h_c(1P))$ , respectively.

NODE=M074R25;LINKAGE=PE

$\Gamma(D\bar{D})/\Gamma(J/\psi\pi^+\pi^-)$   $\Gamma_{21}/\Gamma_2$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
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NODE=M074R2  
NODE=M074R2

<1.0      90      <sup>17</sup> AUBERT      07BE BABR       $e^+ e^- \rightarrow D\bar{D}\gamma$

••• We do not use the following data for averages, fits, limits, etc. •••

<4.0      90      CRONIN-HEN..09      CLEO       $e^+ e^-$

<sup>17</sup> Using  $4259 \pm 10$  MeV for the mass and  $88 \pm 24$  MeV for the width of  $X(4260)$ .

NODE=M074R2;LINKAGE=AU

$\Gamma(D^0\bar{D}^0)/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{22}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^0\bar{D}^0$	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^0\bar{D}^0\gamma$	
not seen	PAKHLOVA	08	BELL $e^+e^- \rightarrow D^0\bar{D}^0\gamma$	

NODE=M074R12  
NODE=M074R12

 $\Gamma(D^+D^-)/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{23}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^+D^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^+D^-\gamma$	
not seen	PAKHLOVA	08	BELL $e^+e^- \rightarrow D^+D^-\gamma$	

NODE=M074R13  
NODE=M074R13

 $\Gamma(D^*\bar{D}^0+c.c.)/\Gamma(J/\psi\pi^+\pi^-)$ 

VALUE	CL%	DOCUMENT ID	TECN	COMMENT	$\Gamma_{24}/\Gamma_2$
<34	90	AUBERT	09M	BABR $e^+e^- \rightarrow \gamma D^*\bar{D}^0$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<45	90	CRONIN-HEN..09	CLEO	$e^+e^-$	

NODE=M074R03  
NODE=M074R03

 $\Gamma(D^*(2007)^0\bar{D}^0+c.c.)/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{25}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^{*0}\bar{D}^0$	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^{*0}\bar{D}^0\gamma$	

NODE=M074R14  
NODE=M074R14

 $\Gamma(D^*(2010)^+D^-+c.c.)/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{26}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^{*+}D^-$	
not seen	PAKHLOVA	07	BELL $e^+e^- \rightarrow D^{*+}D^-\gamma$	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^{*+}D^-\gamma$	

NODE=M074R15  
NODE=M074R15

 $\Gamma(D^*\bar{D}^*)/\Gamma(J/\psi\pi^+\pi^-)$ 

VALUE	CL%	DOCUMENT ID	TECN	COMMENT	$\Gamma_{27}/\Gamma_2$
<11	90	CRONIN-HEN..09	CLEO	$e^+e^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<40	90	AUBERT	09M	BABR $e^+e^- \rightarrow \gamma D^*\bar{D}^*$	

NODE=M074R04  
NODE=M074R04

 $\Gamma(D^*(2007)^0\bar{D}^{*0}(2007)^0)/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{28}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^{*0}\bar{D}^{*0}$	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^{*0}\bar{D}^{*0}\gamma$	

NODE=M074R17  
NODE=M074R17

 $\Gamma(D^*(2010)^+D^*(2010)^-)/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{29}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^{*+}D^{*-}$	
not seen	PAKHLOVA	07	BELL $e^+e^- \rightarrow D^{*+}D^{*-}\gamma$	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^{*+}D^{*-}\gamma$	

NODE=M074R18  
NODE=M074R18

 $\Gamma(D^0D^-\pi^++c.c. (\text{excl. } D^*(2007)^0\bar{D}^{*0}+c.c., D^*(2010)^+D^-+c.c.))/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{31}/\Gamma$
not seen	PAKHLOVA	08A	BELL $10.6 e^+e^- \rightarrow D^0D^-\pi^+\gamma$	

NODE=M074R16  
NODE=M074R16

 $\Gamma(D\bar{D}^*\pi+c.c. (\text{excl. } D^*\bar{D}^*))/\Gamma_{\text{total}}$ 

VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_{32}/\Gamma$
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^*\bar{D}\pi$	

NODE=M074R22  
NODE=M074R22

 $\Gamma(D\bar{D}^*\pi+c.c. (\text{excl. } D^*\bar{D}^*))/\Gamma(J/\psi\pi^+\pi^-)$ 

VALUE	CL%	DOCUMENT ID	TECN	COMMENT	$\Gamma_{32}/\Gamma_2$
<15	90	CRONIN-HEN..09	CLEO	$e^+e^-$	

NODE=M074R05  
NODE=M074R05

$$\Gamma(D^0 D^{*-} \pi^+ + \text{c.c. (excl. } D^*(2010)^+ D^*(2010)^-))/\Gamma_{\text{total}} \quad \Gamma_{33}/\Gamma$$

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	PAKHLOVA 09	BELL	$e^+ e^- \rightarrow D^0 D^{*-} \pi^+ \gamma$

NODE=M074R23  
NODE=M074R23

$$\Gamma(D^0 D^*(2010)^- \pi^+ + \text{c.c.})/\Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{34}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<9	90	PAKHLOVA 09	BELL	$e^+ e^- \rightarrow D^0 D^{*-} \pi^+$

NODE=M074R10  
NODE=M074R10

$$\Gamma(D^0 D^*(2010)^- \pi^+ + \text{c.c.})/\Gamma_{\text{total}} \times \Gamma(e^+ e^-)/\Gamma_{\text{total}} \quad \Gamma_{34}/\Gamma \times \Gamma_1/\Gamma$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<0.42 × 10 <sup>-6</sup>	90	18 PAKHLOVA 09	BELL	$e^+ e^- \rightarrow D^0 D^{*-} \pi^+$

NODE=M074R11  
NODE=M074R11

<sup>18</sup> Using 4263<sup>+8</sup><sub>-9</sub> MeV for the mass of X(4260).

NODE=M074R11;LINKAGE=PA

$$\Gamma(D^* \bar{D}^* \pi)/\Gamma_{\text{total}} \quad \Gamma_{35}/\Gamma$$

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D^* \bar{D}^* \pi$

NODE=M074R24  
NODE=M074R24

$$\Gamma(D^* \bar{D}^* \pi)/\Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{35}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<8.2	90	CRONIN-HEN..09	CLEO	$e^+ e^-$

NODE=M074R06  
NODE=M074R06

$$\Gamma(D_s^+ D_s^-)/\Gamma_{\text{total}} \quad \Gamma_{36}/\Gamma$$

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	DEL-AMO-SA..10N	BABR	$e^+ e^- \rightarrow D_s^+ D_s^- \gamma$

NODE=M074R19  
NODE=M074R19

not seen CRONIN-HEN..09 CLEO  $e^+ e^- \rightarrow D_s^+ D_s^-$

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen PAKHLOVA 11 BELL  $e^+ e^- \rightarrow D_s^+ D_s^- \gamma$

$$\Gamma(D_s^+ D_s^-)/\Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{36}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<0.7	95	DEL-AMO-SA..10N	BABR	10.6 $e^+ e^-$

NODE=M074R07  
NODE=M074R07

• • • We do not use the following data for averages, fits, limits, etc. • • •

<1.3 90 CRONIN-HEN..09 CLEO  $e^+ e^-$

$$\Gamma(D_s^{*+} D_s^- + \text{c.c.})/\Gamma_{\text{total}} \quad \Gamma_{37}/\Gamma$$

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	DEL-AMO-SA..10N	BABR	$e^+ e^- \rightarrow D_s^{*+} D_s^- \gamma$

NODE=M074R20  
NODE=M074R20

not seen CRONIN-HEN..09 CLEO  $e^+ e^- \rightarrow D_s^{*+} D_s^-$

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen PAKHLOVA 11 BELL  $e^+ e^- \rightarrow D_s^{*+} D_s^- \gamma$

$$\Gamma(D_s^{*+} D_s^- + \text{c.c.})/\Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{37}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 0.8	90	CRONIN-HEN..09	CLEO	$e^+ e^-$

NODE=M074R08  
NODE=M074R08

• • • We do not use the following data for averages, fits, limits, etc. • • •

<44 95 DEL-AMO-SA..10N BABR 10.6  $e^+ e^-$

$$\Gamma(D_s^{*+} D_s^{*-})/\Gamma_{\text{total}} \quad \Gamma_{38}/\Gamma$$

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D_s^{*+} D_s^{*-}$

NODE=M074R21  
NODE=M074R21

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen PAKHLOVA 11 BELL  $e^+ e^- \rightarrow D_s^{*+} D_s^{*-} \gamma$

not seen DEL-AMO-SA..10N BABR  $e^+ e^- \rightarrow D_s^{*+} D_s^{*-} \gamma$

$$\Gamma(D_s^{*+} D_s^{*-})/\Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{38}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 9.5	90	CRONIN-HEN..09	CLEO	$e^+ e^-$

NODE=M074R09  
NODE=M074R09

• • • We do not use the following data for averages, fits, limits, etc. • • •

<30 95 DEL-AMO-SA..10N BABR 10.6  $e^+ e^-$

$\Gamma(p\bar{p})/\Gamma(J/\psi\pi^+\pi^-)$  $\Gamma_{39}/\Gamma_2$ 

VALUE	CL%	DOCUMENT ID	COMMENT
<0.13	90	<sup>19</sup> AUBERT	06B $e^+e^- \rightarrow p\bar{p}\gamma$

<sup>19</sup> Using  $4259 \pm 10$  MeV for the mass and  $88 \pm 24$  MeV for the width of  $X(4260)$ .

NODE=M074R1  
 NODE=M074R1

NODE=M074R1;LINKAGE=AU

### X(4260) REFERENCES

NODE=M074

LEES	12AC	PR D86 051102	J.P. Lees <i>et al.</i>	(BABAR Collab.)	REFID=54750
PAKHLOVA	11	PR D83 011101	G. Pakhlova <i>et al.</i>	(BELLE Collab.)	REFID=53638
PEDLAR	11	PRL 107 041803	T. Pedlar <i>et al.</i>	(CLEO Collab.)	REFID=16787
DEL-AMO-SA...	10N	PR D82 052004	P. del Amo Sanchez <i>et al.</i>	(BABAR Collab.)	REFID=53532
AUBERT	09M	PR D79 092001	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=52724
CRONIN-HEN...	09	PR D80 072001	D. Cronin-Hennessy <i>et al.</i>	(CLEO Collab.)	REFID=53114
PAKHLOVA	09	PR D80 091101	G. Pakhlova <i>et al.</i>	(BELLE Collab.)	REFID=53143
AUBERT	08S	PR D77 092002	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=52242
LIU	08H	PR D78 014032	Z.Q. Liu, X.S. Qin, C.Z. Yuan		REFID=52296
PAKHLOVA	08	PR D77 011103	G. Pakhlova <i>et al.</i>	(BELLE Collab.)	REFID=52132
PAKHLOVA	08A	PRL 100 062001	G. Pakhlova <i>et al.</i>	(BELLE Collab.)	REFID=52134
YUAN	08	PR D77 011105	C.Z. Yuan <i>et al.</i>	(BELLE Collab.)	REFID=52135
AUBERT	07AK	PR D76 012008	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=51908
AUBERT	07BE	PR D76 111105	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=52074
AUBERT	07S	PRL 98 212001	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=51724
PAKHLOVA	07	PRL 98 092001	G. Pakhlova <i>et al.</i>	(BELLE Collab.)	REFID=51628
WANG	07D	PRL 99 142002	X.L. Wang <i>et al.</i>	(BELLE Collab.)	REFID=51959
YUAN	07	PRL 99 182004	C.Z. Yuan <i>et al.</i>	(BELLE Collab.)	REFID=51960
AUBERT	06	PR D73 011101	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=51017
AUBERT	06B	PR D73 012005	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=51026
AUBERT,BE	06D	PR D74 091103	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=51511
COAN	06	PRL 96 162003	T.E. Coan <i>et al.</i>	(CLEO Collab.)	REFID=51075
HE	06B	PR D74 091104	Q. He <i>et al.</i>	(CLEO Collab.)	REFID=51523
AUBERT,B	05I	PRL 95 142001	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=50776